

SINUITIDAE DALL, 1913, MACLURITIDAE FISCHER, 1885 AND
EUOMPHALIDAE DE KONINCK, 1881 (GASTROPODA,
ARCHAEOGASTROPODA): PROPOSED CONSERVATION BY
SUPPRESSION OF PROTOWARTHIIIDAE ULRICH & SCHOFIELD,
1897, MACLUREADAE CARPENTER, 1861, MACLURAEIDEA
GILL, 1817 AND SCHIZOSTOMATIDAE EICHWALD, 1817.
Z.N.(S.)1212

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This application was originally submitted to the Commission in March 1957. It was published in *Bull. zool. nom.*, vol. 18, pp. 337–339 (November 1961) and presented to the Commission for voting on 3 October 1962. A comment by Dr L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden*) pointed out that it was impossible to suppress a family-group name unless the generic name on which it was based, i.e. its type genus, was also suppressed. As a consequence of this comment an Opinion was never published.

2. Recently the case was resurrected and analysed by the Secretariat. Of the original proposals, one, that concerning the conservation of ORIOSTOMATIDAE Wenz, 1938 by suppression of HORIOSTOMATIDAE Koken, 1897, was found to have an automatic solution under Article 35(d) of the Code in that HORIOSTOMATIDAE, based on the unjustified emendation *Horiostoma* Fischer, 1885 is corrected to ORIOSTOMATIDAE Koken, 1897. The remaining proposals are still in need of Commission action and after correspondence with one of the original authors (E.Y.) it was agreed to rewrite the case and present it again in full.

SINUITIDAE Dall, 1913

3. The generic name *Protowarthia* Ulrich & Schofield, 1897 (p. 848) was proposed for a bellerophonitid gastropod from the Ordovician of North America. In the same publication the family-group name PROTOWARTHIIIDAE was proposed for this and allied genera (p. 847), but appears never to have been used. A year earlier, Koken (1896, p. 393) had proposed the name *Sinuities* for congeneric forms from Europe; the type species of *Sinuities* is *Bellerophon bilobatus* Sowerby, 1839 (p. 643) by designation by Bassler (1915, p. 1159). For many years *Protowarthia* has been recognized to be a junior subjective synonym of *Sinuities*.

4. Dall (1913, p. 521) proposed the family group name SINUITIDAE based on *Sinuities* Koken and, although junior to PROTOWARTHIIIDAE, this has been in common usage since it was first introduced (for example: Wenz,

1938, p. 97; Knight, 1947, p. 7; Piveteau, 1952, p. 409; Orlov, 1960, p. 61; Waterhouse, 1963, p. 90; Yochelson, 1963, p. 151, 1964, p. 894; Batten, 1966, p. 6; Peel, 1975, p. 1525 and Hayami & Kase, 1977, p. 17).

MACLURITIDAE Fischer, 1885

5. The generic name *Maclurite* Lesueur, 1818 (p. 312) was evidently a *lapsus* for *Maclurites*. As pointed out by Knight (1941, p. 184), Lesueur had, on the previous page, used the termination *-ites* for generic names and *-ite* for the vernacular form of the same names.

7. Lesueur's name *Maclurite* has been emended several times — to *Maclurita* by Blainville (1823, p. 519), to *Maclurites* by Menke (1830, p. 53) and to *Maclurea* by Emmons (1842, p. 312). Blainville's and Emmons' emendations are certainly unjustified and as such are junior objective synonyms of *Maclurite* Lesueur, 1818. *Maclurites* (Menke, 1830) however, we consider to be a justified emendation and this form of the name has gained general acceptance (for example by Wenz, 1938, p. 210; Knight, 1941, p. 184; Piveteau, 1952, p. 395; Müller, 1960, p. 25; Orlov, 1960, p. 83; Yochelson, 1966, p. 748; Grasse, 1968, p. 917; Yochelson, 1975, p. 449; Rohr, 1980, p. 153 and Yu Wen & Ning Hui, 1983, p. 199).

8. The type species of *Maclurites* Lesueur, 1818 is *Maclurites magna* Lesueur, 1818 by designation by de Koninck (1881, p. 107).

9. Carpenter (1861, p. 216) proposed the family-group name MACLUREADAE, and Gill (1871, p. 11) MACLURAEIDEA and MACLURAEACEA, all based on the junior objective synonym *Maclurea* Emmons, 1842. Fischer (1885, p. 805) proposed the family-group name MACLURITIDAE based on *Maclurites* Lesueur, 1818. Although both MACLUREADAE Carpenter, 1861 and MACLURAEIDEA Gill, 1871 have priority over Fischer's name they have been little used and are not adopted in the standard *Treatise on Invertebrate Paleontology* (Knight *et al.*, 1960). By contrast MACLURITIDAE Fischer, 1885 has been used widely (for example by Wenz, 1938, p. 210; Piveteau, 1952, p. 395; Orlov, 1960, p. 83; Yochelson, 1965, p. 45; Yochelson & Jones, 1968, p. 7; Hayami & Kase, 1977, p. 21; Minichev & Starobogatov, 1979, p. 293; Yu Wen, 1979, p. 256; Rohr, 1980, p. 153 and Yu Wen and Ning Hui, 1983, p. 199).

EUOMPHALIDAE de Koninck, 1881

10. Although *Euomphalus* Sowerby, 1814 (p. 97) and *Schizostoma* Bronn ([1834], p. 95) have been considered to be the names of distinct genera by some, others, including the applicants, consider them to be synonyms. The type species of *Euomphalus* is *Euomphalus pentangulatus* Sowerby, 1814, by designation by Meek & Worthen (1866, p. 158).

11. The family-group name EUOMPHALIDAE de Koninck, 1881 (p. 106) based on *Euomphalus* Sowerby, 1814 has been used by almost all workers

(for example by Wenz, 1938, p. 187; Burke, 1961, p. 123; Waterhouse, 1963, p. 98; Dickens, 1963, p. 128; Yochelson, 1963, p. 179; Batten, 1966, p. 12; Peel & Yochelson, 1976, p. 18; Hayami & Kase, 1977, p. 23; McLean, 1981, p. 312 and Morris & Cleavelly, 1981, p. 196). By contrast the slightly earlier family-group name SCHIZOSTOMATIDAE Eichwald, 1871 (p. 119) has been little used and in the *Treatise* (Knight *et al.*, 1960) we have abandoned it.

12. In view of the situation outlined the International Commission on Zoological Nomenclature is requested:

- (1) to use its plenary powers to suppress the following generic names for the purpose of the Principle of Priority but not for that of the Principle of Homonymy:
 - (a) *Protowarthia* Ulrich & Schofield, 1897
 - (b) *Schizostoma* Bronn, [1834]
- (2) to use its plenary powers to suppress the following family-group names for the purpose of the Principle of Priority but not for that of the Principle of Homonymy:
 - (a) PROTOWARTHIDAE Ulrich & Schofield, 1897 (type genus *Protowarthia* Ulrich & Schofield, 1897);
 - (b) MACLUREADAE Carpenter, 1861 (type genus *Maclurea* Emmons, 1842);
 - (c) MACLURAEIDEA Gill, 1871 (type genus *Maclurea* Emmons, 1842);
 - (d) SCHIZOSTOMATIDAE Eichwald, 1871 (type genus *Schizostoma*, Bronn, [1834].
- (3) to place the following names on the Official List of Generic Names in Zoology:
 - (a) *Sinuities* Koken, 1896 (gender: masculine), type species by designation by Bassler (1915) *Bellerophon bilobatus* Sowerby, 1839;
 - (b) *Maclurites* (justified emendation of *Maclurite*) Lesueur, 1818 (gender: masculine), type species by designation by de Koninck (1881) *Maclurites magna* Lesueur, 1818;
 - (c) *Euomphalus* Sowerby, 1814 (gender: masculine) type species by designation by Meek & Worthen (1866) *Euomphalus pentangulatus* Sowerby, 1814.
- (4) to place the following names on the Official List of Specific Names in Zoology:
 - (a) *bilobatus* Sowerby, 1839, as published in the binomen *Bellerophon bilobatus*, (specific name of the type species of *Sinuities* Koken, 1896);
 - (b) *magna* Lesueur, 1818, as published in the binomen *Maclurites magna*, (specific name of the type species of *Maclurites* Lesueur, 1818);
 - (c) *pentangulatus* Sowerby, 1814, as published in the binomen *Euomphalus pentangulatus*, (specific name of the type species of *Euomphalus* Sowerby, 1814).

- (5) to place the following names on the Official List of Family-Group Names in Zoology:
 - (a) SINUITIDAE Dall, 1913 (type genus *Sinuities* Koken, 1896);
 - (b) MACLURITIDAE Fischer, 1885 (type genus *Maclurites* Lesueur, 1818);
 - (c) EUOMPHALIDAE de Koninck, 1881 (type genus *Euomphalus* Sowerby, 1814).
- (6) to place the following names on the Official Index of Rejected and Invalid Generic Names in Zoology:
 - (a) *Protowarthia* Ulrich & Schofield, 1897, as suppressed under the plenary powers in (1) (a) above;
 - (b) *Schizostoma* Bronn, [1834], as suppressed under the plenary powers in (1)(b) above;
 - (c) *Maclurita* Blainville, 1823 (an unjustified emendation of *Maclurites* Lesueur, 1818);
 - (d) *Maclurea* Emmons, 1842 (an unjustified emendation of *Maclurites* Lesueur, 1818);
- (7) to place the following names on the Official Index of Rejected and Invalid Family-Group names in Zoology:
 - (a) PROTOWARTHIDAE Ulrich & Schofield, 1897 (type genus *Protowarthia* Ulrich & Schofield, 1897) as suppressed under the plenary powers in (2)(a) above;
 - (b) MACLUREADEA Carpenter, 1861 (type genus *Maclurea* Emmons, 1842) as suppressed under the plenary powers in (2)(b) above;
 - (c) MACLURAEIDEA Gill, 1871 (type genus *Maclurea* Emmons, 1842) as suppressed under the plenary powers in (2)(c) above;
 - (d) SCHIZOSTOMATIDAE Eichwald, 1871 (type genus *Schizostoma* Bronn, [1834]) as suppressed under the plenary powers in (2)(d) above.

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